Inhaltsverzeichnis

5 Working with NX	3
5.1 Creating items in Teamcenter	3
5.2 Preparation	4
5.3 Create Items with the help of NX	4
5.4 Revision and save parts	5
5.5 Teamcenter Navigator	6
5.6 Teamcenter Navigator Search	7
5.7 Teamcenter Navigator Advanced Search	9
5.8 Teamcenter functions in the assembly Navigator	9
5.9 Creation of a UGParts (drawing)	10
5.9.1 NX TOOLS - Loading the drawing frame	11
5.9.2 NX TOOLS – Creating a drawing sheet	12
5.9.3 NX TOOLS – Change drawing frame / format on existing drawing	14
5.9.4 NX TOOLS – Change drawing frame / format on existing drawing	15

2/15

Printed on 2025/07/08 04:28

3/15

5 Working with NX

5.1 Creating items in Teamcenter

Create a new part in Teamcenter as usual:

Select "File \rightarrow New \rightarrow Item" and select the type \implies FFG Engineering Item

Assign an item ID and assign a (temporary) name.

bjekterstellungsi	nformationen	
rstellungsinformati	ionen für Geschäftsobjekt definieren	
FFG Engin	eering Item	
		Allgeme
- Elementinform	ationen (Erforderlich)	
ID:	X.0004.7703 "X."nnnn"."nnnn 🔻 Zuweisen	
Name:*	NX Example	
Falls Sie eine ID a If you enter an ID f	aus dem Namenskatalog wählen, wird der oben eingetragene Name übe from the naming catalog, the choosen name above will be overwritten.	rschriebe
Falls Sie eine ID a If you enter an ID f Ben.ID:	aus dem Namenskatalog wählen, wird der oben eingetragene Name übe from the naming catalog, the choosen name above will be overwritten.	rschriebe
Falls Sie eine ID a If you enter an ID f Ben.ID: Für Mengeneinhei Unit of Measure ei	aus dem Namenskatalog wählen, wird der oben eingetragene Name übe from the naming catalog, the choosen name above will be overwritten. 15 it Stück: Feld leer lassen. ach: leave field empty	rschriebe
Falls Sie eine ID a If you enter an ID f Ben.ID: Für Mengeneinhei Unit of Measure e Maßeinheit:	aus dem Namenskatalog wählen, wird der oben eingetragene Name übe from the naming catalog, the choosen name above will be overwritten. 15 it Stück: Feld leer lassen. ach: leave field empty	rschriebe
Falls Sie eine ID a If you enter an ID f Ben.ID: Für Mengeneinhei Unit of Measure e: Maßeinheit:	aus dem Namenskatalog wählen, wird der oben eingetragene Name übe from the naming catalog, the choosen name above will be overwritten. 15 it Stück: Feld leer lassen. ach: leave field empty	erschriebe
Falls Sie eine ID a If you enter an ID f Ben.ID: Für Mengeneinhei Unit of Measure e Maßeinheit:	aus dem Namenskatalog wählen, wird der oben eingetragene Name übe from the naming catalog, the choosen name above will be overwritten. 15 it Stück: Feld leer lassen. ach: leave field empty Beim Erstellen öffnen	erschriebe

Choose a name from the naming catalog.

Unit of Messure = Empty (each)

Press "Next".

Enter the essential master data.

rstellungsinformatio						
	onen für Geschäft	sobjekt o	definieren			
Erstellungsinformation	en für Geschäftsobje	kt definier	en			
a EEG Enginee	ring Item					
I I O Enginee	ing tem			R	elease Inform	nation
Tragen Sie hier die für	eine Freigabe der f	Revision n	notwendigen Informa	tionen ein.		
Enter the information r	equired to release a	a revision.				
Produkt:		-	Reschaffungsart:			-
CS.		-	0-Coder			-
C3.			Q-COUE.			
		< Zuri	ück Weiter >	Abschließer	n Schließ	len

Press "Finish". Then select the newly created item or item revision and start NX via ^b in the menu bar. Once you save the part file in NX, the dataset (UGMaster) is placed under the Item Revision.

5.2 Preparation

5.3 Create Items with the help of NX

• The creation of a new item in Teamcenter is performed in NX as follows:



- The creation of a new item as master part is visible as relationship "master" and contains the model.
- The creation of a new non-master part is visible as relationship "specification" and contains the DrawingPart.

G Model FFG Drawing						
'orlagen					^	Vorschau
				Einheiten mm	•	
Name	Тур	Einheiten	Beziehung	Eigentümer	Elementtyp	
FFG - nx120_mag_model	Konstruktion	mm	master	infodba (d	FFG Engineerin	
Leer/ohne Vorlage	Konstruktion	mm	Kein	Kein	Kein	
Ì Leer/ohne Vorlage	Baugruppen	mm	Kein	Kein	Kein	Keine Vorschau möglich
•					4	
me und Attribute	Wert	III	1	Andere Param	▶ eter	
me und Attribute Name Maine	Wert	III licken Sie, um di	1 ie Zuweisung durch	Andere Param	• •	
 ✓ Name Mame Mathematical ID Mathematical Advancements 	Wert * Doppelld * Doppelld	III licken Sie, um di licken Sie, um di	1 ie Zuweisung durch ie Zuweisung durch	Andere Param Alternative ID:	▶ eter	
me und Attribute Name Maine Manderungsstand Name	Wert * Dappelid Dappelid * Dappelid	III licken Sie, um di licken Sie, um di licken Sie, um di	1 ie Zuweisung durch ie Zuweisung durch ie Zuweisung durch	Andere Param Alternative ID: Projekte	eter	
 Anne und Attribute Name Maderungsstand Mame Mame Anderungsstand 	Wert * Dappelid * Dappelid * Dappelid HALB	III licken Sie, um di licken Sie, um di	te Zuweisung durch ie Zuweisung durch ie Zuweisung durch	Andere Param Alternative ID: Projekte Ordner	eter	
 ✓ ✓ Mame ✓ ✓<td>Wert * Doppelki Doppelki HALB</td><td>III licken Sie, um di licken Sie, um di</td><td>1 ie Zuweisung durch ie Zuweisung durch ie Zuweisung durch</td><td>Andere Param Alternative ID: Projekte Ordner :Newstuff</td><td>eter</td><td></td>	Wert * Doppelki Doppelki HALB	III licken Sie, um di licken Sie, um di	1 ie Zuweisung durch ie Zuweisung durch ie Zuweisung durch	Andere Param Alternative ID: Projekte Ordner :Newstuff	eter	
Ame und Attribute Name	Wert * Doppeld * Doppeld * Doppeld HALB	III licken Sie, um di licken Sie, um di	te Zuweisung durch ie Zuweisung durch ie Zuweisung durch ie Zuweisung durch	Andere Param Alternative ID: Projekte Ordner :Newstuff	eter	

5.4 Revision and save parts

- The revision of **Master parts** is also carried out: Menu File \rightarrow Save \rightarrow Save as...
- Create as new change status (revision)
- Save as new element creates a new part under a new part number
- Save as Alt-Rep creates a new dataset with altern. Geometry presentation under the current part / revision master.

5/15

2025/07/08 04:28

Save Parts As								ъх
Select Parts	/		Name and Attribut	es				^
Save As Scope	Work Part 👻			FFG Engi	neering Item	ingineering Item Re		
Action	1		Object Name	ND 🛃	🛃 Name	🛃 Revision	Projects	
Save As	New Revision -		1 X.0000.3311-	X.0000.3311	STAENDERBAUG	★ Double-dick t	00002	
Other Parameters	New Revision	•				2		
Dependent Files Save As option	Save All 👻							
			•					4
			Secondary Attributes					
			Edit Non Masters to C	opy				D
			Projects					*
						0	K	Cancel
1. Save as action - No	ew element / Nev	v c	hange status					
 Double-click to ass 	sign a new revisio	n	number to th	e Item Revi	ision.			

• If an item revision contains dependent files in addition to the **Master part**, the documents to be transferred can be selected if this is defined in the preferences.

5.5 Teamcenter Navigator

- The Teamcenter Navigator shows the current folder structure of the user.
- The columns can be adjusted as required.

ityle						E_ Tree	•
ect 🔺	Number	Revision	Description	Туре	Checke	Statuses	Date Modifi
Teamcenter							*
🛨 🏠 Home			jdoe	Home Folder			23-Aug-2
🖃 🎽 Newstuff			jdoe	Newstuff Fol			27-Aug-2
🕀 🕞 Use Cases				Folder			29-Jul-20
± 🔒 X.0000.0003 PI	X.0000.0003			FFG Engineeri			26-Aug-2
🛨 🚯 X.0000.0004 H	X.0000.0004			FFG Engineeri			23-Aug-2
표 🔒 X.0000.3646 M	X.0000.3646			FFG Engineeri	Bauer, K		17-Jul-20
🛨 🔒 X.0000.3749 PI	X.0000.3749			FFG Engineeri			04-Sep-2 ≡
🛨 🔒 X.0000.9028 SC	X.0000.9028			FFG Engineeri			29-Jul-20
± 🔒 X.0000.9030 SC	X.0000.9030			FFG Engineeri			29-Jul-20
主 🔒 X.0003.0032 M	X.0003.0032			FFG Engineeri			27-Aug-2
🛨 🔧 X.0004.7715 SH	X.0004.7715			FFG Engineeri			27-Aug-2
🛨 📋 Clipboard							
+ 🖸 My Searches							
🗉 😭 Projects							
+ 🕒 Recent							-

• The following file operations are possible with RMT:

Object 4	▲	Number	Revision	Description	Туре	Checke	-
+	🞽 Newstuff			jdoe	Newstuff Fol		
– -	놀 Testbaugruppen				Folder		
	🛨 🚼 X.0000.3311	X.0000.3311			FFG Engineeri		
	± 🚯 X.0000.3	Defeash		_	FFG Engineeri		
	+ 🔒 X.0000.3	Kerresn			FFG Engineeri		
	± 🔒 X.0000.3	Open			FFG Engineeri		
	+ 🔧 X.0000.3	Cut			FFG Engineeri		
	🛨 🚼 X.0000.3	-			FFG Engineerin	g Item	
	🛨 强 X.0000.9.	Сору			FFG Engineeri		
	🛨 🚼 X.0001.8	Add Componer	nt 🔼		FFG Engineeri		
	+ 🔒 X.0001.8			-	FFG Engineeri		
	🛨 🚼 X.0001.8	Projects 3			FFG Engineeri		
	+ 🔒 X.0004.4	Show Requiren	nent Links		FFG Engineeri		
	- Use Cases				Folder		
Cut and Copy h	as the same effe	ct as in the	"My Tear	ncenter" env	ironment		
Opens the "Add	d Component" dia	alog					
Add the object	to a project						

5.6 Teamcenter Navigator Search

1. Cut

Teamcen	ter Navigator							
View Style						f	Tree	•
Object 🔺		Number	Revision	Description	Туре	Checke	Statuses	Date Modifi
+ · 🍅	Newstuff			jdoe	Newstuff Fol			27-Aug-2 🔺
	Testbaugruppen				Folder			06-Aug-2
+	- 🔒 X.0000.3311	X.0000.3311			FFG Engineeri			18-Jul-20
+	- 🔒 X.0000.3763	X.0000.3763			FFG Engineeri			25-Jul-20
+	- 음 X.0000.3908	X.0000.3908			FFG Engineeri			25-Jul-20
H	- 음 X.0000.3936	X.0000.3936			FFG Engineeri			01-Aug-2
+	- 음 X.0000.3958	X.0000.3958			FFG Engineeri			02-Aug-2 _≡
+	- 🔒 X.0000.3978	X.0000.3978			FFG Engineeri			26-Jul-20
+	- 🔧 X.0000.9515	X.0000.9515			FFG Engineeri			23-Aug-2
+	- 🔒 X.0001.8631	X.0001.8631			FFG Engineeri			15-Aug-2
+	🖓 🛃 X.0001.8972	X.0001.8972			FFG Engineeri			02-Aug-2
+	- 🔧 X.0001.8973	X.0001.8973			FFG Engineeri			08-Aug-2
+	- 🔒 X.0004.4123	X.0004.4123			FFG Engineeri			06-Aug-2
+ 6	Use Cases				Folder			29-Jul-20
+ 😫	X.0003.0032 M	X.0003.0032			FFG Engineeri			27-Aug-2
⊨ • €	X.0004.7713 CO	X.0004.7713			FFG Engineeri			27-Aug-2 🔻
								•
Search								^
X 000*								
7.000								
Advanced	Search 2							
Browse Filt	er							^
Detail Level	Full							•
Revision	All							-
Туре	All							-
Assembly L	oad Options.							3 ^
🔲 Load Stru	cture Only							
Option Part	ially Load	•	-					
Revision Rule	e/Configuration Co	ntext						
Latest Work	ing		▼ Lo	ad Options Dial	og			
Preview								^
			-					
					3 2 3			
			12U					
					I. I.			

Search Wildcards as in Teamcenter area
 Advanced Search

3. Loading options for assemblies

5.7 Teamcenter Navigator Advanced Search

Advanced Search											×
Define Search	Browse	3									^
Look For: Any Object	Look In 🔎 Last Search	- 9	3								
Search Criteria	Object 🔺		Number	Revision	Description	Туре	Checke	Statuses	Date Modified	Projects	
	🛨 🖂 X.0002.7234-00 FLUIDKO	MPONENTEN	X.0002.7234	00		FFG Engineeri			05-Aug-2019	00002	*
Search String	🛨 🖂 X.0002.7776-00 UMSETZ	ER	X.0002.7776	00		FFG Engineeri			05-Aug-2019	00002	
Id X.000*	🛨 🖂 X.0002.7830-00 BLECH		X.0002.7830	00		FFG Engineeri			05-Aug-2019	00002	
Name	+ 🖂 X.0002.8026-00 SCHILD		X.0002.8026	00		FFG Engineeri			05-Aug-2019	00002	
Description	🛨 🚳 X.0002.8433-00 SCHILD		X.0002.8433	00		FFG Engineeri			05-Aug-2019	00002	
Description	± 🚳 X.0002.8780-00 FEDERBL	ECH	X.0002.8780	00		FFG Engineeri			05-Aug-2019	00002	=
Revision	± 🚯 X.0002.8809-00		X.0002.8809	00		FFG Engineeri			05-Aug-2019	00002	
Data Criteria	😐 み X.0002.8814-00 WERKZE	UGTRAEGER	X.0002.8814	00		FFG Engineeri			05-Aug-2019	00002	
	🗄 🍰 X.0002.8827-00		X.0002.8827	00		FFG Engineeri			05-Aug-2019	00002	
Date Criteria None 👻	🛨 🖂 X.0002.8971-00 SCHLAU	СН	X.0002.8971	00		FFG Engineeri			05-Aug-2019	00002	
	🗄 🍰 X.0002.9374-00 STECKER		X.0002.9374	00		FFG Engineeri			05-Aug-2019	00002	
Owner ^	+ 🔥 X.0002.9704-00 LADEHIL	FE	X.0002.9704	00		FFG Engineeri			05-Aug-2019	00002	
Owning User 🗸 🗸	+ 🐣 X.0002.9840-00 DICHTKC	OPF	X.0002.9840	00		FFG Engineeri			05-Aug-2019	00002	
Owning Group	+ 🔥 X.0003.0165-00 ENERGIE	KETTE	X.0003.0165	00		FFG Engineeri			05-Aug-2019	00002	
	+ 🍰 X.0003.0287-00 SCHLAU	СН	X.0003.0287	00		FFG Engineeri			05-Aug-2019	00002	
Status 🔨	+ 🚱 X.0003.0334-00		X.0003.0334	00		FFG Engineeri			05-Aug-2019	00002	
Release Status	+ 🛞 X.0003.0509-00 WERKZE	UG	X.0003.0509	00		FFG Engineeri			05-Aug-2019	00002	-
	•						1			۲	
	Result					^	More F	Results			^
Find Now New Search Save As	Number:	Revision:		Nam	ie:		Prev	ious (1-3	0 of 52697) Net	t All	
4									ОК	Cancel	
1. Search criteria											
2. Look for it:											
 Display last searches 											
4 Searches saved in "My	Teamcenter"										

5.8 Teamcenter functions in the assembly Navigator

• Keep all Teamcenter information up to date

Object 🔺 Number 😑 🗹 🚼 X.0000.3311-00 STAENDERBAUGR 1 Select Assembly 🗄 🖌 🚰 X.0000.3414-00 STAENDER Image: March 100 - 2000 - 2 Refresh Teamcenter Information 🗄 🗹 🚼 X.0000.2986-00 HAUPTLAGER Open • Y R X.0000.3567-00 ANSCHLAG General Structure... Set Precise On Save 😟 🗹 🚼 X.0000.2875-00 GEGENLAGER 🗄 🗹 🚼 X.0000.2875-00 GEGENLAGER 🎐 Arrangements 🗄 🗹 🚼 X.0000.2862-00 ENDANSCHLAG Navigator Order ٠ 🗄 🗹 🚼 X.0000.2862-00 ENDANSCHLAG 🗄 🗹 🚼 X.0000.3059-00 ENDBLOCK 🖌 🕼 🕼 🗄 🗹 🚼 X.0000.3274-00 MOTORBAUGRUP Show 🖭 🗹 🏤 X.0000.3369-00 MOTORBAUGRUP bow Only 🗄 🗹 🚼 X.0000.3475-00 MOTORBAUGRUP M 30000.3083-00 ANBAUTEILE Projects... M 3181-01 ANBAUTEILE Image: Market Properties Update information from Teamcenter Add the object to a project

5.9 Creation of a UGParts (drawing)

Assembly Navigator

To create a UGPart in Teamcenter, please load the part or assembly from Teamcenter to NX. Then create the UGPart belonging to the UGMaster via File \rightarrow New (Ctrl+N).



Then select the register "FFG Drawing" and the corresponding seedpart "FFG-nx120_mag_drawing". The corresponding attributes are taken from the item revision. Confirm this with OK.

11/15				Printed on 2025/	07/08 04:2
New					υ x
FFG Model FFG Drawing					
Templates		^	Preview		^
	Units Millime	ters 👻			
Name	Туре	Units			
👰 FFG - nx120_mag_drawing	Drawing	Millimeters			
🔊 FFG - nx120_mag_drawing (no MM)	Drawing	Millimeters			
💫 Blank	Drawing	Millimeters	No	preview available	
	_				
•		4			
Name and Attributes					^
News	Value			Other Parameters	^
	value			other Hanneters	
	X.0001.86				
2 Material Ture	MULTI SPI	NDLE HEAD	-		
4 Dataset Name	N 0001 96	21.00	•		
Dataset Name	1x.0001.80	531-00			
Secondary Attributes					
Reference Part					^
Number X.0001.8631	Revision 0	0 Name X.0	001.8631-00	Browse	
				OK C	ancel
					uncer

5.9.1 NX TOOLS - Loading the drawing frame

Proceed as follows to add the drawing frame and sheet format:

1.	Overview - Fram	e functions	
	Zeichnungrahmen laden	Teamcenter-Informationen aktualisieren	Abbild aktualisieren
2.	Load drawing fra	me	
	Zeichnungrahmen laden		
3.	Drawing frame o	n Sheet 1	

	¢ ×	
	New frame on Sheet 1	
	Create new drawing with frame.	
	OK Back Cancel	
4.	Selection of the desired frame	
	¢ + ×	
	CorCom	
	Hessapp	
	MAG	
	Modul	
	WuF	
	Kunde	
	No more data	
	OK Back Cancel	
5.	Selection of the drawing format	·
	¢ ×	
	DIN A0 TC	
	DIN A1 TC	
	DIN A2 TC	
	DIN A3 TC	
	No more data	
	OK Back Cancel	

Note:

In order to display all attribute values in the drawing frame, the UGPart must be saved to Teamcenter and the drawing header must be updated with the function "Abbild aktualisieren".

5.9.2 NX TOOLS - Creating a drawing sheet

```
1. Overview - Frame functions
```



¢			×
Sheet 2			
	ОК	Back	Cancel

5.9.3 NX TOOLS - Change drawing frame / format on existing drawing

1.	Overview - Frame functions				
	Zeichnungrahmen Teamcenter-Informationen Abbild				
	laden aktualisieren aktualisieren				
2.	Load drawing frame				
	Zeichnungrahmen				
2	laden Drawing frame on Choot 1				
3.	Drawing frame on Sheet 1				
	φ ×				
	New frame on Sheet 1				
	Create new drawing with frame.				
	OK Back Cancel				
4.	Selection of the desired frame				
	¢ ×				
	CorCom				
	Hessapp				
	MAG				
	Modul				
	WuF				
	Kunde				
	No more data				
	OK Back Cancel				
	Buck Current				

15/15

	¢ ×				
	DIN A0 TC				
	DIN A1 TC				
	DIN A2 TC				
	DIN A3 TC				
	No more data				
	OK Back Cancel				
6.	Delete all patterns				
	¢ ×				
	Yes				
	No				
	Delete all patterns				
	OK Back Cancel				

5.9.4 NX TOOLS - Change drawing frame / format on existing drawing

	Teamcenter-Informationen aktualisieren	Transfer metadata from Teamcenter to NX
	Abbild aktualisieren	Manual update of metadata in the text header